

FLIGHT CREW INFORMATION FILE							
APPLIES TO: ACC <input checked="" type="checkbox"/> AETC <input type="checkbox"/> AFGSC <input checked="" type="checkbox"/> AFMC <input checked="" type="checkbox"/> AFRC <input checked="" type="checkbox"/> AFSOC <input type="checkbox"/> AMC <input type="checkbox"/> NGB <input checked="" type="checkbox"/> PACAF <input type="checkbox"/> USAFE-AFAFRICA <input type="checkbox"/> Other: <input type="checkbox"/>							
FCIF <input checked="" type="checkbox"/> SII <input type="checkbox"/>	ORIGINATING HHQ FCIF/SII # A21-01		WING/OG FCIF/SII #		UNIT FCIF/SII #		
RELEASE DATE 16 Dec 2021		UNIT POST DATE		RESCIND DATE			OR <input checked="" type="checkbox"/> POST UNTIL FURTHER NOTICE
APPLICABLE TO: All Crewmembers							
AIRCRAFT or MDS UH-1N <input checked="" type="checkbox"/>	B-1B <input checked="" type="checkbox"/>	B-2 <input checked="" type="checkbox"/>	B-52H <input checked="" type="checkbox"/>	E-4B <input checked="" type="checkbox"/>			
SUBJECT: HQ AFGSC FCIF A21-01 5G Radar Altimeter Interference							
<ol style="list-style-type: none"> 1. PURPOSE: This FCIF is to inform aircrew of the possible risk of 5G interference on radar altimeter (RADALT) systems. 2. SUMMARY/BACKGROUND: In December 2020, the United States Federal Communications Commission (FCC) auctioned licensing of the 3.7-3.98 GHz frequency band, with the licenses awarded to fifth generation (5G) wireless network providers. Actual 5G deployment will occur in phases, with U.S. operations beginning as soon as December 5, 2021. Additionally, deployment of 5G at these C-Band frequencies is occurring globally. In some countries, deployment has already occurred. Preliminary analysis from the aviation industry indicates potential for interference from 5G operations with RADALT systems operating in the 4.2-4.4 GHz frequency band. (1) The likelihood and severity of radio frequency interference increases for operations at lower altitudes. (2) 3. GUIDANCE: Immediately upon receipt, Unit Commanders, or a designated representative, will ensure all aircrews and other applicable personnel are briefed on the contents and requirements of this message and ensure that the following guidance is implemented. <ol style="list-style-type: none"> a. Provisions shall be incorporated in the unit operational risk management processes to assess the possible risk of 5G interference on RADALT systems and the possibility of how it will impact flight operations. b. Aircrews shall be briefed and made aware of the potential degradation to the capabilities of the RADALT and any means to compensate for in-flight RADALT anomalies. Consideration shall be given to both erroneous RADALT readings and loss of RADALT function. c. Consideration shall be given to the aircrew's potential loss of confidence in the integrity of RADALT dependent aircraft safety systems in unit risk assessment and mission planning. d. During flight planning and flight operations, the potential for RADALT anomalies due to 5G interference shall be taken into consideration. Crews should take note of any flight operations that will take place in vicinity of known cellular phone towers. e. A RADALT system should be treated as an aid to situational awareness at all times, not as the sole indicator of height above ground. In situations where the RADALT information is required for tasks being performed, the crew will constantly monitor the RADALT indication for potential anomalies and terminate the task when interference is suspected. Ensure any 5G mobile devices carried aboard the aircraft by passengers are powered off and protected from accidental activation. f. Aircrews experiencing any suspected interference to their RADALT should notify air traffic control, tower or ground control as soon as practicable. 4. Aircrews experiencing any suspected interference to their RADALT shall submit an incident report utilizing the attached Report Template to AFGSC A3TV Workflow. AFGSC/A3TV will submit the official incident report via email, to the MDS specific SPO Engineering Workflow with the SUBJECT: SUSPECTED RADALT 5G IFC INCIDENT. 5. This message shall be brought to the attention of all affected aircrew members and placed in Volume 1, Part B of the FCIF library. This FCIF will remain in effect until rescinded or this issue is corrected. This FCIF will be reviewed quarterly in conjunction with the quarterly update message. <p>****NOTE: This document contains attachments. To view the attachments, click on the paper clip icon to the left of the screen,</p>							

FCIF <input checked="" type="checkbox"/> SII <input type="checkbox"/>	ORIG. HHQ FCIF/SII # A21-01	WING/OG FCIF/SII #	UNIT FCIF/SII #	RELEASE DATE 16 Dec 2021	UNIT POST DATE	RESCIND DATE	OR <input checked="" type="checkbox"/> POST UNTIL FURTHER NOTICE
APPLICABLE TO: All Crewmembers							
SUBJECT: HQ AFGSC FCIF A21-01 5G Radar Altimeter Interference							
and double click the attached files.****							
Attachments:							
1) FCIF 5G IFC Report Template							
RELEASING AUTHORITY CHRISTOPHER J. SHULER, Maj, USAF			PHONE 781-8804		SIGNATURE SHULER.CHRISTOPHER. JAMES.1048687322 <small>Digitally signed by SHULER.CHRISTOPHER.JAMES.1048687322 Date: 2021.12.16 15:10:54 -06'00'</small>		
RELEASING OFFICE HQ AFGSC/A3TV			PHONE 781-8804		SIGNATURE SHULER.CHRISTOPHER. JAMES.1048687322 <small>Digitally signed by SHULER.CHRISTOPHER.JAMES.1048687322 Date: 2021.12.16 15:12:24 -06'00'</small>		
AMPLIFYING INFORMATION: References:							
<p>1. RTCA Paper No. 274-20/PMC-2073, Assessment of C-Band Mobile Telecommunications Interference Impact on Low Range Radar Altimeter Options, dated October 7, 2020 (RTCA Paper No. 274-20/PMC-2073), page i. This document is available in Docket No. FAA-2021-0953, and at https://www.rtca.org/wp-content/uploads/2020/10/SC-239-5G-Interference-Assessment-Report_274-20-PMC-2073_accepted_changes.pdf.</p> <p>2. FAA Airworthiness Directive concerning the impacts of new 5G C-Band transmissions on radar altimeters. Available at https://www.regulations.gov by searching for and locating Docket No. FAA-2021-0953.</p>							
WING/UNIT RELEASE AUTHORITY/OFFICE			PHONE		SIGNATURE		
UNIT RELEASE AUTHORITY/OFFICE			PHONE		SIGNATURE		